

IN THE CLAIMS:

sub
B2
AR

1. (Amended) A prepolymer composition for producing polyurethane insulating foams with fire-retardant properties from pressure tanks, which composition consists of a prepolymer component with at least one PU prepolymer with a content of NCO groups of 4 to 20 wt% and usual additives, as well as a propellant component, characterized in that the prepolymer component is substantially halogen-free and has a content of 5 to 40 wt%, based on the prepolymer component, of softening phosphates and/or phosphonates with the formulae $O=P(OR)_3$ and $O=P(OR)_2R$, wherein R, identically or differently, [means] is alkyl, aryl, alkyl aryl or arakyl [with] having up to 10 C atoms.

2. (Amended) The prepolymer composition of claim 1, wherein the characterized by] a PU prepolymer based on aliphatic and aromatic polyisocyanates and polyester polyols.

3. (Amended) The prepolymer composition of claim 2, [characterized in that] wherein the polyisocyanate is [one] based on hexamethylene-1,6-diisocyanate, naphthalene-1,5-diisocyanate, tolylene diisocyanate, isophorone diisocyanate, diphenylmethane diisocyanate or dicyclohexylmethane diisocyanate.

4. (Amended) The prepolymer composition of claim 2 [or 3, characterized in that] wherein the polyester polyols have a molecular weight of 1000 to 2000.

5. (Amended) The prepolymer composition of any of claims 2 to 4, wherein [characterized in that] the polyester polyols are ones based on ethylene glycol or glycerine and aromatic or aliphatic, preferably native, polycarboxylic acids.

6. (Amended) The prepolymer composition of [any of claims 2 to 5, characterized in that] claim 2 wherein the polyester polyols are at least partly phosphorus-modified.

7. (Amended) The prepolymer composition of claim 1 wherein [any of the above claims, characterized by] a content of liquid polybutadiene [of] is

Sub
B2
0.01 to 2 wt%.

8. (Amended) The prepolymer composition of claim 7, wherein [characterized in that] the liquid polybutadiene contains about 75% 1,4-cis double bonds, about 24% 1,4-trans double bonds and about 1% vinyl double bonds, has a molecular weight, determined by vapor-pressure osmosis, of about 3000 and a viscosity at 20°C of about 3000 mPa.s.

9. (Amended) The prepolymer composition of claim 1, wherein the [any of the above claims, characterized by a] propellant content is [of] 5 to 40 wt%.

10. (Amended) The prepolymer composition of claim 1, wherein [any of the above claims, characterized in that] the propellant component contains propane, butane and/or dimethylether.

11. (Amended) The prepolymer composition of claim 1, wherein [any of the above claims, characterized in that] the propellant component contains fluorocarbon, in particular R 125, R 134a, R 143 and/or R 152a.

12. (Amended) The prepolymer composition of claim 1, wherein [any of the above claims, characterized in that] it additionally contains a flame-retardant additive which is free from chlorine and bromine.

13. (Amended) The prepolymer composition of claim 12, [characterized in that] wherein the flame-retardant additive is melamine, melamine cyanurate, dimelamine phosphate, melamine phosphate, cyanodiamide, dicyanodiamide, aluminum trihydrate, ammonium polyphosphate or a mixture thereof.

14. (Amended) The prepolymer composition of claim 1, wherein the [any of the above claims, characterized by an] initial service viscosity of the PU prepolymer at 20°C [of] is 5000 to 20000 mPa.s.

15. (Amended) The prepolymer composition of claim 11, [characterized by an] wherein the initial service viscosity of the PU prepolymer is [of] 8000 to 15000 mPa.s.

16. (Amended) Use of softening phosphates and phosphonates [as defined in] of claim 1 for setting polyurethane insulating foams to be flame-

retardant.

AD
cancel
sub 2
7. (Amended) A pressure can for discharging 1C polyurethane insulating foams, filled with the prepolymer composition [of any of claims 1 to 15] of claim 1.

Please examine newly presented Claims 18-28.

AB
18. The prepolymer composition of Claim 3 wherein the polyester polyols have a molecular weight of 1000 to 2000.

19. The prepolymer composition of Claim 4 wherein the polyester polyols are ones based on ethylene glycol or glycerine and aromatic or aliphatic, preferably native, polycarboxylic acids.

20. The prepolymer composition of Claim 5 wherein the polyester polyols are at least partly phosphorus-modified.

21. The prepolymer composition of Claim 6, wherein a content of liquid polybutadiene is 0.01 to 2 wt%.

22. The prepolymer composition of Claim 8 wherein a propellant content of 5 to 40 wt%.

23. The prepolymer composition of Claim 9, wherein the propellant component contains propane, butane and/or dimethylether.

24. The prepolymer composition of Claim 10, wherein the propellant component contains fluorocarbon, in particular R 125, R 134a, R 143 and/or R 152a.

25. The use of the prepolymer composition of Claim 11 wherein it additionally contains a flame-retardant additive which is free from chlorine and bromine.

26. The prepolymer composition of Claim 13, wherein initial service viscosity of the PU prepolymer at 20°C is [of] 5000 to 20000 mPa.s.

27. The use of the softening phosphates and phosphonates of Claim 11 for setting polyurethane insulating foams to be flame retardant.

28. A pressure can for discharging 1C polyurethane insulating